Section II. (Amendments to the Claims)

Please amend claims 2 and 4-8, as set out below in the listing of claims 1-10 of the application.

1. (Original) A protein chip of a S-L-SP form wherein a substrate peptide (SP) is immobilized on a solid substrate (S) by the mediation of a linker protein (L).

2. (Currently amended) The protein chip according to claim 1, wherein the linker protein ~~is~~ comprises leptin or malic enzyme.

3. (Original) The protein chip according to claim 1, wherein the substrate peptide is fused with the linker protein in the form of a peptide monomer, a dimer of monomer-proline-monomer, or a multimer where monomers are linked to each other by a proline.

4. (Currently amended) The protein chip according to claim 3, wherein the peptide monomer ~~is~~ comprises kemptide (SEQ ID NO: 1) or Abl (SEQ ID NO: 8).

5. (Currently amended) The protein chip according to claim 1, wherein the solid substrate ~~is~~ comprises a side with exposed aldehyde.

6. (Currently amended) A method for analyzing the interaction between a reactive protein and its substrate peptide using the protein chip of claim 1, ~~comprises~~ comprising the steps of:

(a) adding a reactive protein to the protein chip, the reactive protein showing a specific interaction with the substrate peptide immobilized on the protein chip; and

(b) detecting the interaction between the reactive protein and the substrate peptide.

7. (Currently amended). The method according to claim 6, wherein the reactive protein ~~is~~ comprises an enzyme or an antibody.

8. (Currently amended) The method according to claim 7, wherein the enzyme ~~is~~ comprises protein kinase A or Abl kinase.

9. (Original) The method according to claim 6, wherein the step of detecting the interaction between the substrate peptide and the reactive protein is carried out by using a fluorescence labeled antibody.

10. (Original) The method according to claim 8, wherein the step of detecting a phosphorylation of the substrate peptide by kinase is carried out by using a Cy3-labeled anti-phosphorylation serine antibody or a Cy5-labeled anti-phosphorylation tyrosine antibody.